Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/25/2021 09:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125480	0	2.30	125421	2.25
Blue	F	SSC	125000	122538	-2	3.01	122923	2.83
Blue	E	FITC	13131	12628	-4	3.26	290	16.07
Blue	D	PE	24112	23624	-3	2.85	542	11.74
Blue	B	PerCP-Cy5-5	31295	30655	-3	3.81	1015	15.03
Blue	A	PE-Cy7	19939	19680	-2	5.89	522	29.65
Red	C	APC	42122	41125	-3	2.79	1728	11.36
Red	A	APC-Cy7	22340	21740	-3	3.11	810	11.66
Violet	B	V450	7410	6977	-6	3.60	422	13.01
Violet	A	V500	28118	26795	-5	3.14	669	10.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23213	2.23	572	3	N/A	N/A	Pass
Blue	F	SSC	56982	1.98	519	7	N/A	N/A	Pass
Blue	E	FITC	54	58.52	487	0	0.0445	302	Pass
Blue	D	PE	114	38.92	490	2	0.3278	272	Pass
Blue	B	PerCP-Cy5-5	187	37.35	587	1	0.0190	87	Pass
Blue	A	PE-Cy7	102	70.01	630	2	0.0216	2	Pass
Red	C	APC	398	24.18	579	3	0.0279	201	Pass
Red	A	APC-Cy7	181	28.05	554	3	0.0063	1253	Pass
Violet	B	V450	59	66.19	457	4	0.0558	2271	Pass
Violet	A	V500	96	35.84	469	4	0.0226	798	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.65	-31.32	1.06
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.65	13.60 - 20.40	N/A	N/A	29.58	29.88	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9546

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments